

Cirrus Vision Jet SF-50 G2

Guide – Checklist & Procedures for (Microsoft Flight Simulator 2024)

by ObiOne v0.1

Weight

Maximum Ramp Weight	6,040 lbs (2,740 kg)
Maximum Takeoff Weight	6,000 lbs (2,727 kg)
Basic Empty Weight	3,550 lbs (1,610 kg)
Max Zero Fuel Weight	4,900 lbs (2,223 kg)
Maximum Usable Fuel	2,000 lbs (907 kg)

Dimensions

Wingspan	38.7 ft (11.79 m)
Length	30.7 ft (9.42 m)
Height	10.9 ft (3.32 m)
Cabin Width	5.1 ft (1.56 m)
Cabin Height	4.1 ft (1.24 m)

Performance

Takeoff	2,036 ft (620 m)
Takeoff Over 50 ft Obstacle	3,192 ft (973 m)
Climb Rate	1,609 ft/min
Max Operating Altitude	31,000 ft
Stall Speed with Flaps	67 KIAS
Max Cruise Speed	311 KTAS
Landing Ground roll	1,628 ft (496 m)

Speeds

V _{MO}	250 KIAS	V _{Y/Climb Speed}	165 KIAS
M _{MO}	0,53 Mach	V _X	91 KIAS
V _O	150 KIAS	V _R	90 KIAS
V _{FE 50%}	190 KIAS	V _{S1}	86 KIAS
V _{FE 100%}	150 KIAS	V _{SO}	67 KIAS
V _{LO Extended}	210 KIAS	V _{Ref}	87 KIAS
V _{LE Retracted}	150 KIAS	V _{Approach}	87 KIAS + Wind

NORMAL PROCEDURES

PREFLIGHT

PREFLIGHT INSPECTION	COMPLETED
DOOR	LATCHED
PARKING BRAKE	SET
BAT 1 / BAT 2	ON
GEN 1 / GEN 2	ON
EXTERNAL GPU	AS NEEDED
FADEC	Channel is shown below % thrust indicator

BEFORE ENGINE START

STROBE LIGHTS	ON
CAS MESSAGES	CHECK
THRUST LEVER	IDLE
BRAKES	HOLD
ENGINE KNOB	RUN
FUEL PUMP	CHECK ON
CAS ADVISORY	FUEL PUMP ON
ENGINE START BAT TEMP	NOT DISPLAYED
ENGINE START VOLTS CAS	NOT DISPLAYED
ENGINE START/STOP	PRESS

ENGINE INSTRUMENTS	MONITOR
– At 25% N2	– positive N1
– ITT	– within limits
– N1 indication	– by 25%
– Evidence of lightoff after...	– 8 seconds
– Oil pressure after start	– Green
EIS	CHECK NORMAL
ENGINE IPS	AS REQUIRED
ECS CONTROL PANEL	SET
EXTERNAL GPU	DISCONNECT
OXYGEN MASTER SWITCH	ON
AVIONCS INIT	ALL COMPLETE
CAPS PIN	REMOVE & STOW
PASSENGERS	BRIEF
SEAT BELTS	SECURED
BLEED AIR	(after 2min) ON

BEFORE TAXI

COM	SET
NAV/GPS	SET
ATIS	OBTAIN
CLEARANCE	OBTAIN
ALTIMETER	SET
TRANSPONDER	SET
HEADING	RUNWAY HDG
FLIGHT CONTROLS	FREE & CORRECT
ENGINE IPS	(if OAT <=5°C / 41°F) ON
TRIM	6° UP
FLAPS	50%
ELECTRIC ROLL TRIM	SET
TO/GA Button	PRESS
CAS Messages	CHECK
SEATS	Upright
PARKING BRAKE	RELEASED
BRAKES	CHECK

BEFORE TAKEOFF

DEPARTURE BRIEFING	COMPLETE
LANDING LIGHTS	ON
PROBE HEAT	ON
ENGINE IPS	As Required
WING/STAB IPS	OFF
CAS	CHECK
TRIM	Verify 6° up
FLAPS	VERIFY 50%
CAS	No TAKEOFF EMER BAT message

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NORMAL TAKEOFF	
BRAKES	Hold
THRUST LEVER	T/O
ENGINE INSTRUMENTS	CHECK
BRAKES	Release
VR	80-90 KIAS
<i>After rotate</i>	
Pitch Attitude	5°
<i>Positive rate</i>	
LANDING GEAR	UP
FLAPS	UP
- Clear of Obstacles - >500ft AGL - > 115 KIAS	

CLIMB	
THRUST LEVER	MCT
max 5min TAKEOFF THRUST	
ENGINE PARAMETERS	MONITOR
CABIN PRESSURE	MONITOR
ICE PROTECTION	As Required
ALTIMETER	(above Transition Alt) STD

CRUISE	
EIS	MONITOR
THRUST	MGT/FMS
IPS	As Required

DESCENT	
LANDING FIELD ELEVATION	CHECK
QNH Destination	CHECK
MINIUMS	SET
<i>Transition Altitude</i>	
ALTIMETER	SET LOCAL
<i>Below 10.000 Feet</i>	
LANDING LIGHTS	ON

APPROACH	
Approach Briefing	Completed
AIRSPEED	< 150KIAS
FLAPS	50%
AIRSPEED	< 140 KIAS

BEFORE LANDING	
LANDING GEAR	DOWN
FLAPS	50%-100%
(if ice on airframe max 50%)	
CABIN PRESSURE	0 PSI DIFF
WINDSHIELD IPS	OFF
AUTOPILOT	OFF
AIRSPEED	97 KIAS
LANDING LIGHT	Verify ON

LANDING	
FLAPS	100%
(if ice on airframe) 50%	
AIRSPEED	V _{REF}
LANDING GEAR	DOWN
LANDING LIGHT	Verify ON

GO AROUND	
THRUST LEVER	T/O
TO/GA	PRESS
Pitch	7°
Flaps	50%
LANDING GEAR	(positive rate) UP
FLAPS	UP
- Clear of Obstacles - >500ft AGL - > 115 KIAS	
AIRSPEED	V _x

AFTER LANDING	
FLAPS	UP
WING IPS	OFF
STAB IPS	OFF
ENGINE IPS	OFF
PROBE HEAT	OFF
LANDING LIGHT	OFF
BRAKES	CHECK

SHUTDOWN	
THRUST	IDLE
Allow engine to idle for 2 minutes (minimum) prior to shutdown for hot section component temperatures to equalize	
PARKING BRAKE	SET
ENGINE IPS	OFF
BLEED	FRESH
OXYGEN MASTER	OFF
LIGHTS	OFF
ENGINE KNOB	OFF
ENGINE BUTTON	PRESS
GEN 1 / GEN 2	OFF
BAT 1 / BAT 2	OFF